A8920-5 A

The Society of the Plastics Industry, Inc.

Monthly Statistical Report-Resins

SPI

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

DECEMBER 31, 1990

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

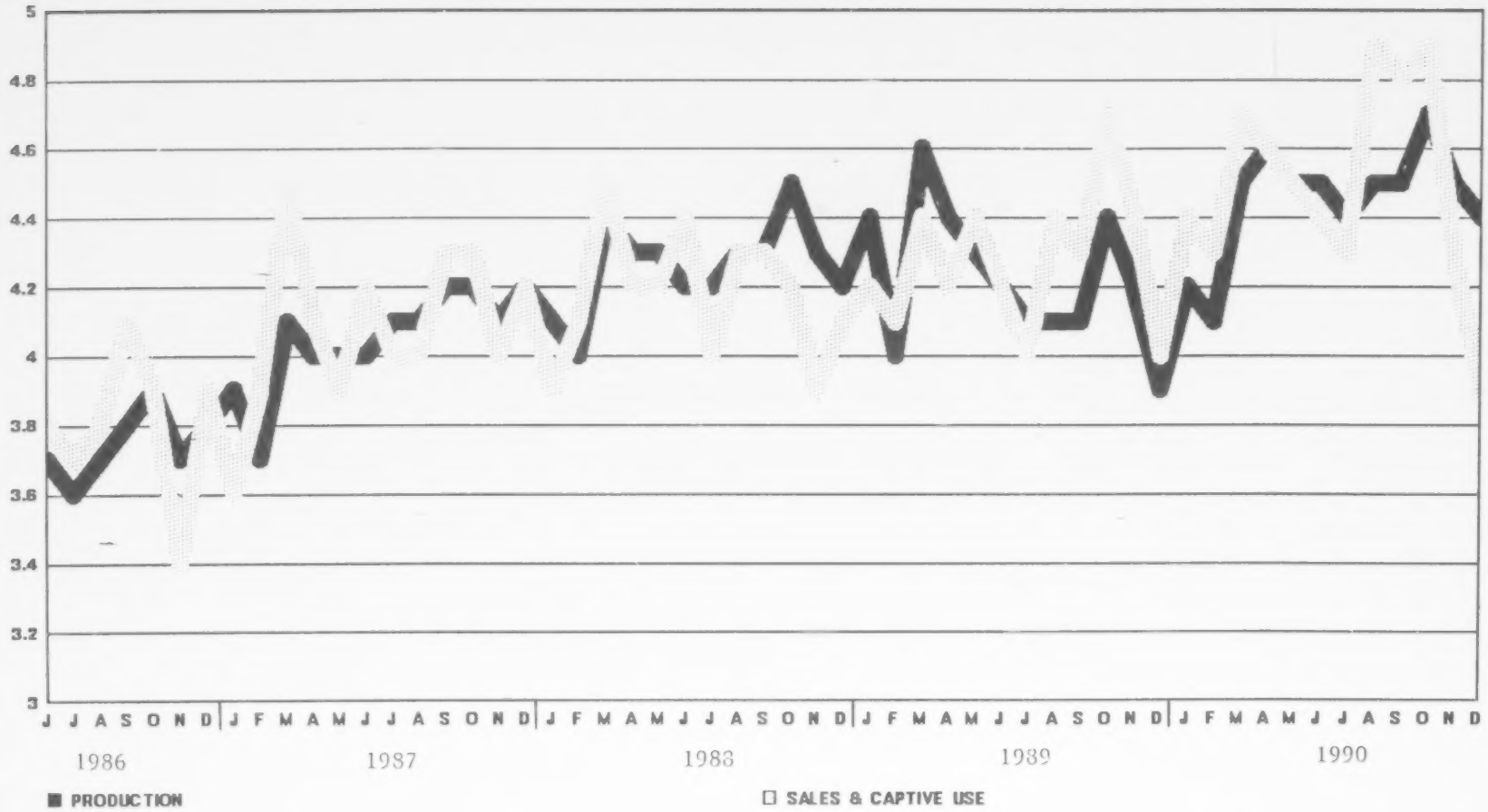
Release Date: February 14, 1991

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

DECEMBER 1990


5
4.8
4.6
4.4
4.2
4
3.8
3.6
3.4
3.2
3
J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
1986
1987
1988
1989
1990
PRODUCTION
SALES & CAPTIVE USE

THE SOCIETY OF THE PLASTICS INDUSTRY, INC. CRS

MONTHLY STATISTICAL REPORT

(Thousands of pounds, dry weight basis)(1) DECEMBER 1990

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	34,064	35,907	-5.1	484,120	481,634	0.5	34,989	35,087	-0.3	499,321	509,438	-2.0
POLYESTER (UNSATURATED) RESINS, TOTAL	68,107	82,492	-17.4	1,211,315 R	1,301,910	-7.0	67,343	85,294	-21.0	1,221,160	1,319,363	-7.4
UREA RESINS, TOTAL	97,292	118,334	-17.8	1,497,331 R	1,465,327	2.2	97,603	119,969	-18.6	1,495,531	1,476,447	1.3
MELAMINE RESINS, TOTAL	12,926	14,608	-11.5	175,981 R	212,883	-17.3	15,395	16,826	-8.5	201,986	222,379	-9.2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	200,974	220,995	-9.1	2,938,029 R	2,862,938	2.6	201,950	221,258	-8.7	2,946,276	2,879,094	2.3
THERMOSETTING RESINS, TOTAL	413,363	472,336	-12.5	6,306,776 R	6,324,692	-0.3	417,280	478,434	-12.8	6,364,274	6,406,721	-0.7
LOW-DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	546,717	572,478	-4.5	7,184,296 R	6,916,125	3.9	601,549	519,731	15.7	7,283,112 R	6,575,120	10.8
LINEAR-LOW DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	353,249	357,204	-1.1	4,710,367 R	3,886,707	21.2	394,510	284,530	38.7	3,893,245 R	3,119,803	24.8
HIGH-DENSITY POLYETHYLENE (ABOVE 0.940), TOTAL	717,715	624,787	14.9	8,709,214 R	8,172,833	6.6	740,669	580,301	27.6	8,333,667 R	8,102,112	2.9
POLYPROPYLENE, TOTAL	615,180	584,464	5.3	8,238,623 R	7,302,926	12.8	679,520	588,069	15.6	8,318,304 R	7,238,026	14.9
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	64,790	82,965	-21.9	1,160,016 R	1,217,063	-4.7	79,840	86,662	-7.9	1,165,155	1,260,466	-7.6
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	9,239	7,583	21.8	134,399 R	108,040	24.4	9,893	7,881	25.5	134,073	112,654	19.0
POLYSTYRENE RESINS, TOTAL	302,435	355,384	-14.9	5,082,235 R	5,130,547	-0.9	388,942	401,807	-3.2	5,011,986 R	5,103,564	-1.8
STYRENE BASED LATEXES, TOTAL ***	75,369	73,241	2.9	1,077,292	1,027,997	4.8	75,570	74,614	1.3	1,024,291 R	997,362	2.7
OTHER STYRENICS, TOTAL (40% or More Styrene)	11,137	10,318	7.9	150,852	151,841	-0.7	13,415	10,947	22.5	145,474	137,151	6.1
NYLON RESINS (6)	44,492	41,271	7.8	581,185	580,486	0.1	35,579	42,398	-16.1	555,572	568,631	-2.3
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	600,485	616,777	-2.6	8,989,408 R	8,493,211	5.8	724,797	613,810	18.1	9,088,446	8,477,635	7.2
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	21,346	18,126	17.8	198,036	201,052	-1.5	21,701	17,964	20.8	225,760	220,398	2.4
THERMOPLASTIC POLYESTER, TOTAL (6)	174,250	148,308	17.5	1,905,405	1,707,339	11.6	167,156	144,864	15.4	1,878,629 R	1,630,060	15.2
THERMOPLASTIC RESINS, TOTAL	3,536,404	3,492,906	1.2	48,121,328 R	44,896,167	7.2	3,933,141	3,373,578	16.6	47,057,714 R	43,542,982	8.1
GRAND TOTAL	3,949,767	3,965,242	-0.4	54,428,104 R	51,220,859	6.3	4,350,421	3,852,012	12.9	53,421,988 R	49,949,703	7.0

(1) = Except phenolic resins which are reported on a gross weight basis.

*** = Sales and Captive Use figures include some Canadian produced materials.

(2) = The publishing of PVAC has been suspended.

D = Disclosure.

N/A = Not Available.

(3) = The publishing of PVOH data has been suspended.

(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

(6) = Data Includes Sales from Imports.

R = Revision.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

Copyright 1990 The Society of the Plastics Industry, Inc.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	34,064	35,907	-5.1	484,120	481,634	0.5	34,989	35,087	-0.3	499,321	509,438	-2.0
Exports, Total	6,156	8,713	-29.3	83,988	86,033	-2.4						
Captive Use, Total	1,014	947	7.1	16,272	17,784	-8.5						
Domestic Sales, Total	26,894	26,247	2.5	383,860	377,817	1.6						
Domestic Sales & Captive Use,Total	27,908	27,194	2.6	400,132	395,601	1.1						
Bonding & Adhesives	1,760	1,841	-4.4	28,023	24,819	12.9						
Flooring, Paving & Exposed Aggregate	1,894	1,959	-3.3	26,920	24,744	8.8						
Protective Coatings	14,323	13,822	3.6	198,218	192,496	3.0						
Fiber Reinforced Laminates & Composites	5,225	5,185	0.8	81,272	82,699	-1.7						
FRL&C for Printed Wiring Board	3,126	3,625	-13.8	52,382	56,766	-7.7						
All Other FRL&C	2,099	1,560	34.6	28,890	25,933	11.4						
Tooling, Casting & Molded Resins	2,011	2,024	-0.6	28,430	29,773	-4.5						
All Other Uses	2,695	2,363	14.0	37,269	41,070	-9.3						
POLYESTER (UNSATURATED) RESINS, TOTAL (E)	68,107	82,492	-17.4	1,211,315 R	1,301,910	-7.0	67,343	85,294	-21.0	1,221,160	1,319,363	-7.4
Total Exports	1,292	1,350	-4.3	21,356 R	24,236	-11.9						
Total Domestic	66,815	81,142	-17.7	1,189,959 R	1,277,674	-6.9						
General Purpose Resins, Total	55,591	69,014	-19.4	1,017,156 R	1,099,276	-7.5						
General Purpose - Thixotropic	19,288	27,168	-29.0	383,287 R	478,861	-20.0						
General Purpose - Press Molding	7,575	8,950	-15.4	138,285 R	130,958	5.6						
General Purpose - Panel	5,496	N/A		81,458	N/A							
General Purpose - All Other	23,232	32,896	-29.4	414,126	489,457	-15.4						
Flame Retardant Resins	1,610	2,142	-24.8	23,965	24,354	-1.6						
Chemical Resistant Resins, Total	9,614	9,986	-3.7	148,838 R	154,044	-3.4						
Chemical Resistant Isophthalic Resins	6,589	7,335	-10.2	104,218 R	115,649	-9.9						
All Other Chemical Resistant Resins	3,025	2,651	14.1	44,620	38,395	16.2						
Reinforced Plastic, Total	49,539	58,450	-15.2	878,967 R	949,829	-7.5						
Non-Reinforced Plastics, Total	17,276	22,692	-23.9	310,992 R	327,845	-5.1						

(E) = Estimate – Data includes estimates for one company.

N/A = Not Available

R = Revision.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)(1)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
UREA RESINS, TOTAL (E)	97,292	118,334	-17.8	1,497,331 R	1,465,327	2.2	97,603	119,969	-18.6	1,495,531	1,476,447	1.3
MELAMINE RESINS, TOTAL (E)	12,926	14,608	-11.5	175,981 R	212,883	-17.3	15,395	16,826	-8.5	201,986	222,379	-9.2
UREA & MELAMINE RESINS, TOTAL (E)	110,218	132,942	-17.1	1,673,312 R	1,678,210	-0.3	112,998	136,795	-17.4	1,697,517	1,698,826	-0.1
Total Exports	D1	D1		D1	D1							
Total Domestic	110,218	132,942	-17.1	1,673,312 R	1,678,210	-0.3						
Textile Coating & Treating Resins	2,437	1,668	46.1	34,219 R	24,620	39.0	3,281	3,257	0.7	45,632	32,175	41.8
Paper Coating & Treating Resins	4,112	5,250	-21.7	57,120	62,875	-9.2	4,337	5,368	-19.2	59,020	64,883	-9.0
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:-	87,367	107,083	-18.4	1,313,900 R	1,344,210	-2.3	86,233	107,075	-19.5	1,310,839	1,338,483	-2.1
Laminating	1,134	3,955	-71.3	18,755	72,681	-74.2	1,120	3,788	-70.4	19,415	62,771	-69.1
Plywood	4,436	5,305	-16.4	58,834	66,804	-11.9	4,504	5,497	-18.1	59,345	68,531	-13.4
Fibrous & Granulated Wood (Particle Board)	81,797	97,823	-16.4	1,236,311 R	1,204,725	2.6	80,609	97,790	-17.6	1,232,079	1,207,181	2.1
Protective Coatings (Straight & Modified)	7,536	7,351	2.5	104,173	108,233	-3.8	10,667	10,130	5.3	137,373	136,031	1.0
All Other Uses	8,766	11,590	-24.4	163,900 R	138,272	18.5	8,480	10,965	-22.7	144,653	127,254	13.7
PHENOLIC & OTHER TAR ACID RESINS, TOTAL (E)	200,974	220,995	-9.1	2,938,029 R	2,862,938	2.6	201,950	221,258	-8.7	2,946,276	2,879,094	2.3
Total Exports	975	2,127	-54.2	21,659	19,712	9.9						
Total Domestic	199,999	218,868	-8.6	2,916,370 R	2,843,226	2.6						
Molding Compounds	12,517	13,024	-3.9	169,428	176,916	-4.2	13,596	11,763	15.6	184,706	186,164	-0.8
Bonding & Adhesive Resins for:	184,301	202,946	-9.2	2,706,203 R	2,621,822	3.2	185,388	207,704	-10.7	2,714,292	2,643,961	2.7
Laminating	10,549	13,229	-20.3	168,037	215,453	-22.0	10,500	13,086	-19.8	168,740	220,242	-23.4
Coated & Bonded Abrasives	1,679	2,492	-32.6	26,536	23,942	10.8	1,952	3,710	-47.4	26,261	27,510	-4.5
Friction Materials	2,936	3,081	-4.7	46,157	41,251	11.9	3,249	2,353	38.1	47,784	41,554	15.0
Insulation Materials	30,139	30,774	-2.1	423,119 R	414,899	2.0	30,158	32,010	-5.8	420,902	420,705	0.0
Foundry & Shell Molding	5,761	6,939	-17.0	79,778	59,775	33.5	6,000	7,075	-15.2	80,178	61,104	31.2
Plywood	D3	114,452		D3	1,463,466		D3	114,382		D3	1,463,118	
Fibrous and Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	D3	1,232		D3	13,654		D3	1,992		D3	15,049	
All Other	133,237	30,747	N/C	1,962,576	389,382	N/C	133,529	33,096	N/C	1,970,427	394,679	N/C
Protective Coatings - Unmodified & Modified	D2	910		D2	13,397		D2	696		D2	14,172	
Resins Sold to Rubber Ind. - Non Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	3,181	1,988	N/C	40,739	31,091	N/C	2,966	1,095	N/C	47,278	34,797	N/C

(E) = Estimate – Data include estimates for one company.
D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Phenolic is on a Gross Weight Basis.
N/C = Not Comparable.
R = Revision.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL (6)	546,717	572,478	-4.5	7,184,296 R	6,916,125	3.9	612,552	530,348	15.5	7,472,213 R	6,695,515	11.6
Imports, Total							11,003	10,617	3.6	189,101 R	120,395	57.1
Exports, Total	99,962	101,858	-1.9	900,309 R	947,980	-5.0						
Domestic, Total	446,755	470,620	-5.1	6,283,987 R	5,968,145	5.3	601,549	519,731	15.7	7,283,112 R	6,575,120	10.8
Film (12 Mils & Below)	258,632	281,660	-8.2	3,752,316 R	3,443,543	9.0						
Packaging Film	177,163	205,613	-13.8	2,563,703 R	2,368,562	8.2						
Food Packaging Film	86,564	99,799	-13.3	1,193,192 R	1,132,747	5.3						
Non-Food Packaging Film	73,124	82,914	-11.8	1,081,169 R	988,788	9.3						
Shrink Film	10,397	D10		163,624 R	D10							
Stretch Film	7,078	22,900	N/C	125,718 R	247,027	N/C						
Non-Packaging Film	81,469	76,047	7.1	1,188,613 R	1,074,981	10.6						
Carry-Out Bags	13,129	6,758	94.3	152,212 R	105,423	44.4						
Trash and Can Liners	25,111	23,241	8.0	373,342 R	371,872	0.4						
Other Non-Packaging Film	43,229	46,048	-6.1	663,059 R	597,686	10.9						
Sheet (Over 12 Mils)	11,214	5,565	101.5	79,754 R	79,403	0.4						
Injection Molding	20,353	34,288	-40.6	363,028 R	413,131	-12.1						
Injection Molded Lids	5,155	4,252	21.2	80,903 R	52,229	54.9						
Injection Molded Housewares	2,147	3,862	-44.4	48,478 R	51,146	-5.2						
Other Injection Molding	13,051	26,174	-50.1	233,647 R	309,756	-24.6						
Wire and Cable	13,706	D5		229,694 R	D5							
Extrusion Coating	56,881	D5		779,185 R	D5							
Blow Molding	4,182	3,415	22.5	61,619 R	60,042	2.6						
Pipe and Conduit, Total	D5	D5		D5	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	6,022	85,102	N/C	92,452 R	1,066,090	N/C						
Rotomolding	D2	D2		D2	D2							
Resellers & Compounders, Total	50,641	37,915	33.6	578,437	523,317	10.5						
Resellers	31,757	25,573	24.2	398,396	391,971	1.6						
Compounders	18,884	12,342	53.0	180,041	131,346	37.1						
Adhesives and Sealants	8,689	D2		109,505	D2							
All Other Uses	16,435	22,675	N/C	237,997	382,619	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
R = Revision.
D10 = Disclosure: Included in Stretch Film.
(6) = Sales Include Imports.
D = Disclosure
N/C = Not Comparable

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LINEAR LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	353,249	357,204	-1.1	4,710,367 R	3,886,707	21.2	464,064	348,127	33.3	4,750,907 R	3,791,358	25.3
Imports, Total							69,554	63,597	9.4	857,662 R	671,555	27.7
Exports, Total	36,902	21,525	71.4	274,050 R	173,720	57.8						
Domestic, Total	316,347	335,679	-5.8	4,436,317 R	3,712,987	19.5	394,510	284,530	38.7	3,893,245 R	3,119,803	24.8
Film (12 Mils & Below)	195,238	228,632	-14.6	2,917,770 R	2,402,746	21.4						
Packaging Film	88,552	105,665	-16.2	1,270,490 R	1,097,376	15.8						
Food Packaging Film	19,511	19,886	-1.9	230,775 R	196,836	17.2						
Non-Food Packaging Film	49,109	57,786	-15.0	710,336 R	618,193	14.9						
Shrink Film	D10	D10		D10	D10							
Stretch Film	19,932	27,993	-28.8	329,379 R	282,347	16.7						
Non-Packaging Film	106,686	122,967	-13.2	1,647,280 R	1,305,370	26.2						
Carry-Out Bags	15,031	18,101	-17.0	246,538 R	197,727	24.7						
Trash and Can Liners	71,413	83,369	-14.3	1,078,965 R	894,049	20.7						
Other Non-Packaging Film	20,242	21,497	-5.8	321,777 R	213,594	50.6						
Sheet (Over 12 Mils)	3,447	1,027	235.6	23,874 R	26,547	-10.1						
Injection Molding	39,463	42,789	-7.8	542,266 R	444,976	21.9						
Injection Molded Lids	14,913	21,634	-31.1	180,302 R	210,724	-14.4						
Injection Molded Housewares	21,462	12,520	71.4	244,320 R	156,352	56.3						
Other Injection Molding	3,088	8,635	-64.2	117,644 R	77,900	51.0						
Wire and Cable	7,542	D5		132,234 R	D5							
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	1,818	1,252	45.2	26,192	19,371	35.2						
Pipe and Conduit, Total	5,377	D5		56,215	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	1,675	14,763	N/C	30,450 R	228,240	N/C						
Rotomolding	26,754	D2		319,760	D2							
Resellers & Compounders, Total	28,226	19,564	44.3	263,173	212,767	23.7						
Resellers	16,331	12,121	34.7	131,482 R	149,256	-11.9						
Compounders	11,895	7,443	59.8	131,691 R	63,511	107.4						
Adhesives and Sealants	D2	D2		D2	D2							
All Other Uses	6,807	27,652	N/C	124,383	378,340	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
D10 = Disclosure: Shrink Film is Included in Stretch Film.
(6) = Sales Include Imports.
R = Revision.
D = Disclosure
N/C = Not Comparable

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
HIGH DENSITY POLYETHYLENE – ABOVE 0.940. TOTAL	717,715	624,787	14.9	8,709,214 R	8,172,833	6.6	740,669	580,301	27.6	8,333,667 R	8,102,112	2.9
Exports, Total	85,820	76,673	11.9	727,061 R	922,746	-21.2						
Domestic, Total	631,895	548,114	15.3	7,982,153 R	7,250,087	10.1						
Film (12 Mils & Below)	76,399	81,286	-6.0	926,175 R	830,839	11.5						
Packaging Film	17,746	26,121	-32.1	245,164 R	214,100	14.5						
Food Packaging Film	13,080	13,841	-5.5	173,139 R	144,439	19.9						
Non-Food Packaging Film	4,666	12,280	-62.0	72,025 R	69,661	3.4						
Non-Packaging Film	58,653	55,165	6.3	681,011 R	616,739	10.4						
Retail Bags	44,585	26,987 F	N/C	502,929 R	306,092 F	N/C						
Grocery Sacks & T-Shirt Bags	22,306	N/A		240,702 R	N/A							
All Other Retail Bags	6,600	N/A		79,334 R	N/A							
Trash Bags/Can Liners	15,679	D9		182,893 R	D9							
All Other Non-Packaging Film	14,068	28,178	N/C	178,082 R	310,647	N/C						
Sheet (Over 12 Mils)	19,492	18,943	2.9	370,575 R	303,915	21.9						
Injection Molding, Total	123,262	105,975	16.3	1,616,053 R	1,451,188	11.4						
Pails (5 gallons or less)	37,260	25,998	43.3	452,771 R	431,094	5.0						
Housewares	6,558	7,343	-10.7	106,605	109,838	-2.9						
Food Tubs/Containers & Drink Cups	23,046	18,073	27.5	315,570 R	256,947	22.8						
Crates and Totes	15,293	14,034	9.0	225,457 R	178,836	26.1						
Toys/Novelties/Sporting Goods	3,342	N/A		57,892 R	N/A							
Caps and Closures	7,942	N/A		108,111 R	N/A							
All Other Injection Molding	29,821	40,529	N/C	349,647 R	474,473	N/C						
Wire and Cable	10,468	9,366	11.8	163,549 R	152,586	7.2						
Blow Molding, Total	220,716	200,820	9.9	2,914,897 R	2,879,187	1.2						
Motor Oil Bottles	16,495	10,829	52.3	229,270 R	190,833	20.1						
Liquid Food Bottles	73,925	72,770	1.6	971,192 R	904,590	7.4						
Household Chemical Bottles	73,882	70,006	5.5	920,587 R	900,896	2.2						
Industrial Drums	7,900	16,182 G	N/C	136,164 R	255,494 G	N/C						
Gas Tanks, All Uses	2,226	N/A		36,322 R	N/A							
Pharm., Cosmetics, & Toiletries	14,740	N/A		222,056 R	N/A							
All Other Blow Molding	31,548	31,033	N/C	399,306 R	627,374	N/C						
Pipe and Conduit, Total	51,590	29,370	75.7	649,323 R	485,779	33.7						
Corrugated	6,632	6,934	-4.4	103,750 R	94,815	9.4						
Non-Corrugated	44,958	22,436	100.4	545,573 R	390,964	39.5						
Gas Distribution	12,381	N/A		196,733 R	N/A							
Water	D11	N/A		D11	N/A							
Industrial/Sewer	D11	N/A		D11	N/A							
All Other Non-Corrugated Pipe	32,577	N/A		348,840 R	N/A							
Other Extruded Products	3,185	4,906	-35.1	80,684 R	67,120	20.2						
Rotomolding	7,346	5,625	30.6	84,346 R	71,661	17.7						
Reseller & Compounders, Total	102,260	66,587	53.6	884,571 R	724,742	22.1						
Resellers	97,645	62,044	57.4	831,855 R	662,043	25.6						
Compounders	4,615	4,543	1.6	52,716 R	62,699	-15.9						
All Other HDPE	17,177	25,236	-31.9	291,980 R	283,050	3.2						

D9 = Disclosure: Included in Other Non-Packaging Film.
D11 = Disclosure: Included in All Other Non-Corrugated Pipe.
N/C = Not Comparable.
N/A = Not Available.
R = Revision.
F = Reported as Carry Out Bags in 1989.
G = Reported as Large Containers in 1989.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYPROPYLENE, TOTAL	615,180	584,464	5.3	8,238,623 R	7,302,926	12.8	679,520	588,069	15.6	8,318,304 R	7,238,026	14.9
Exports, Total	155,544	126,716	22.8	1,630,524	1,198,310	36.1						
Domestic, Total	459,636	457,748	0.4	6,608,099 R	6,104,616	8.2						
Injection Molding, Total	120,906	126,431	-4.4	1,921,065 R	1,779,220	8.0						
Appliances	8,543	10,414	-18.0	175,075	159,769	9.6						
Consumer Products	39,244	39,529	-0.7	635,464 R	563,909	12.7						
Rigid Packaging	47,046	44,997	4.6	647,081 R	601,349	7.6						
Transportation	13,520	15,585	-13.2	289,229	265,515	8.9						
All Other Injection Molding	12,553	15,906	-21.1	174,216 R	188,678	-7.7						
Blow Molding	8,623	9,815	-12.1	142,965 R	128,848	11.0						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below), Total	40,855	41,317	-1.1	599,718 R	583,544	2.8						
Oriented Film	32,818	32,358	1.4	489,254 R	451,050	8.5						
Non-Oriented Film	8,037	8,959	-10.3	110,464 R	132,494	-16.6						
Sheet (Over 10 Mils), Total	15,569	10,903	42.8	140,771	128,026	10.0						
Packaging	D	N/A		D	N/A							
Non-Packaging	D	N/A		D	N/A							
Extrusion Coating	1,159	D5		18,833 R	D5							
Wire and Cable	D5	D5		D5	D5							
Fiber and Filaments, Total	145,942	139,448	4.7	2,074,824 R	1,954,435	6.2						
Textile Applications	137,863	133,503	3.3	1,957,264 R	1,854,438	5.5						
Nonwovens	48,124	49,096	-2.0	596,884	522,459	14.2						
Monofilament & Multifilament Fibers	44,823	29,204	53.5	676,301	733,890	-7.8						
Slit Film Fibers	44,916	55,203	-18.6	684,079 R	598,089	14.4						
Non-Textile Monofilaments	8,079	5,945	35.9	117,560 R	99,997	17.6						
Pipe and Conduit	D5	D5		D5	D5							
Other Extruded Products	6,624	5,989	N/C	124,861	94,928	N/C						
Resellers/Distributors/Compounders, Total	116,337	120,805	-3.7	1,527,647 R	1,363,846	12.0						
Resellers	44,144	82,617 C	N/C	568,316 R	916,962 C	N/C						
Distributors	30,661	N/A		404,495 R	N/A							
Compounders	41,532	38,188	8.8	554,836 R	446,884	24.2						
All Other Uses	3,621	3,040	19.1	57,415 R	71,769	-20.0						

D5 = Disclosure: Included in Other Extruded Products.
D = Disclosure
C = Reported as Resellers and Distributors in 1989.

N/C = Not Comparable
N/A = Not Available
R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYSTYRENE RESINS, TOTAL	302,435	355,384	-14.9	5,082,235 R	5,130,547	-0.9	388,942	401,807	-7.6	5,011,986 R	5,103,564	-1.6
Crystal (Solid) Polystyrene	165,666	193,266 A	N/C	2,732,826 R	2,759,395 A	N/C	164,316	212,091 A	N/C	1,983,405 R	2,775,628 A	N/C
Rubber Modified Polystyrene	136,769	162,118	-15.6	2,349,409 R	2,371,152	-0.9	167,916	189,716	-12.3	2,281,234 R	2,327,936	-1.1
Expandable Polystyrene	D13			D13			56,710			747,347 R		
Exports, Total	22,529	17,512	28.6	195,683	224,402	-12.8						
Crystal (Solid) Polystyrene	13,393	9,279 A	N/C	114,013	123,217 A	N/C						
Rubber Modified Polystyrene	9,136	8,233	11.0	81,670	101,185	-19.3						
Expandable Polystyrene	D13			D13								
Domestic, Total	279,906	337,872	-17.2	4,886,552 R	4,906,145	-0.4						
Molding	110,003	141,640	-22.3	1,729,186 R	2,007,478	-13.9						
Extrusion	123,668	137,924	-10.3	2,338,306 R	2,054,561	13.8						
Expandable Polystyrene	40,518	45,202	-10.4	682,215 R	683,985	-0.3						
Block	11,985	13,774	-13.0	265,451 R	262,405	1.2						
Shape	7,348	9,090	-19.2	150,270 R	149,736	0.4						
Loose Fill	D6	D6		D6	D6							
Other EPS	21,185	22,338	-5.2	266,494 R	271,844	-2.0						
All Other Uses	5,717	13,106	-56.4	136,845 R	160,121	-14.5						
Polystyrene End-Uses, Total	279,906	337,872	-17.2	4,886,552 R	4,906,145	-0.4						
Packaging & One Time Use	102,097	125,813 B	-18.9	1,867,694 R	1,874,731 B	-0.4						
Consumer & Institutional Products	31,189	39,407	-20.9	521,966 R	679,651	-23.2						
Electrical/Electronics	45,837	49,173	-6.8	685,387 R	647,613	5.8						
Furniture,Furnishings,Bldg. & Construction	22,100	22,227	-0.6	329,148 R	307,592	7.0						
Expandable Polystyrene	40,518	45,202	-10.4	682,215 R	683,985	-0.3						
Resellers and Compounders	29,632	36,861	-19.6	604,201 R	526,076	14.9						
All Other End-Uses	8,533	19,189	-55.5	195,941 R	186,497	5.1						

D13 = Included in Crystal(Solid) Polystyrene
A = Reported as Straight Polystyrene in 1989.
B = Consists of Packaging & Disposable Food Serviceware lines reported in 1989.

N/C = Not Comparable
D = Disclosure
D6 = Disclosure: Included in Other EPS
R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL	64,790	82,965	-21.9	1,160,016 R	1,217,063	-4.7	79,840	86,662	-7.9	1,165,155 R	1,260,466	-7.6
SAN (STYRENE-ACRYLONITRILE), TOTAL	9,239	7,583	21.8	134,399 R	108,040	24.4	9,893	7,881	25.5	134,073 R	112,654	19.0
Total Exports	4,905	2,350	108.7	52,491 R	33,504	56.7						
Total Domestic	4,334	5,233	-17.2	81,908 R	74,536	9.9						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	11,137	10,318	7.9	150,852 R	151,841	-0.7	13,415	10,947	22.5	145,474	137,151	6.1
ABS, SAN, & OTHER STYRENICS, TOTAL	85,166	100,866	-15.6	1,445,267 R	1,476,944	-2.1	103,148	105,490	-2.2	1,444,702 R	1,510,271	-4.3
Total Exports	19,225	N.R. 1		239,222 R	N.R. 1							
Total Domestic	65,941	100,866	N/C	1,206,045 R	1,476,944	N/C						
Electrical/Electronics	D2	N.R. 2		D2	N.R. 2							
Building & Construction	12,212	12,905	-5.4	137,442 R	148,319	-7.3						
Transportation	14,400	22,833	-36.9	369,580 R	384,229	-3.8						
Consumer & Institutional	10,075	N.R. 2		172,381 R	N.R. 2							
All Other Uses	29,254	65,128	N/C	526,642 R	944,396	N/C						
STYRENE BASED LATEXES, TOTAL* (E)	75,369	73,241	2.9	1,077,292	1,027,997	4.8	75,570	74,614	1.3	1,024,291 R	997,362	2.7
Carpet Backing	25,050	28,162	-11.1	392,773	379,220	3.6						
All Other Uses	50,319	45,079 J	11.6	684,519	648,777 J	5.5						
NYLON RESINS, TOTAL(6)	44,492	41,271	7.8	581,185	580,486	0.1	N/A	N/A		N/A	N/A	
Imports, Total							N/A	N/A		N/A	N/A	
Exports, Total	7,596	5,684	33.6	80,093	77,328	3.6						
Domestic, Total	36,896	35,587	3.7	501,092	503,158	-0.4	35,579	42,398	-16.1	555,572	568,631	-2.3
Injection Molding Grade	22,624	22,030	2.7	300,036	303,162	-1.0						
Extrusion Grade	11,332	10,059	12.7	155,461	148,402	4.8						
Resellers & Compounders	1,832	2,780	-34.1	35,138	37,767	-7.0						
All Other Uses	1,108	718	54.3	10,457	13,827	-24.4						
Nylon End-Uses, Total	36,896	35,587	3.7	501,092	503,158	-0.4						
Automotive and Truck	13,543	N/A		172,426	N/A							
Electrical and Electronic	4,153	N/A		59,814	N/A							
Appliances	1,244	N/A		15,019	N/A							
Film and Coating	5,384	N/A		76,743	N/A							
Wire and Cable	2,279	N/A		34,041	N/A							
Monofilament	1,265	N/A		20,299	N/A							
Consumer	1,491	N/A		20,920	N/A							
Industrial/Machinery	3,295	N/A		44,237	N/A							
All Other End-Uses	4,242	N/A		57,593	N/A							

N.R.1 – Not Reported; Included in Total Domestic and All Other Uses.
N.R.2 – Not Reported; Included in All Other Uses.
* – Styrene Based Latexes Sales include some Canadian produced material.
J = Consists of All Other Uses, Paper Treating, and Textile Treating Lines reported in 1989.
E = Estimate – Data include estimates for one company.

N/C – Not Comparable.
N/A = Not Available.
(6) – Includes sales from imports.
D2 = Disclosure: Included in All Other Uses.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (DRY RESIN CONTENT)	600,485	616,777	-2.6	8,989,408 R	8,493,211	5.8	724,797	613,810	18.1	9,088,446	8,477,635	7.2
Homopolymer Resins, Including Blending & Latex	550,762	557,873	-1.3	8,298,843 R	7,765,194	6.9	664,103	546,366	21.5	8,355,667	7,733,816	8.0
Copolymer Resins, Including Blending & Latex	12,504	17,196	-27.3	187,880	217,818	-13.7	18,779	23,248	-19.2	214,564	227,219	-5.6
Dispersion Resins	37,219	41,708	-10.8	502,685	510,199	-1.5	41,915	44,196	-5.2	518,215	516,600	0.3
Exports, Total	114,868	91,130	26.0	944,417	917,918	2.9						
Domestic, Total	485,617	525,647	-7.6	8,044,991 R	7,575,293	6.2						
Calendering, Total	63,813	67,466	-5.4	994,297 R	913,165	8.9						
Flooring	13,927	18,641	-25.3	210,723	219,591	-4.0						
Textile	5,585	7,247	-22.9	96,114	117,343	-18.1						
All Other Calendering Uses	44,301	41,578	6.5	687,460 R	576,231	19.3						
Coating, Total	22,912	26,324	-13.0	328,227	360,661	-9.0						
Flooring	11,007	11,236	-2.0	146,130	152,990	-4.5						
Textile and Paper Coating	6,805	8,445	-19.4	96,611	106,198	-9.0						
Protective Coatings	3,301	3,673	-10.1	47,587	50,912	-6.5						
Adhesives & All Other Coating Uses	1,799	2,970	-39.4	37,899	50,561	-25.0						
Extrusion, Total	324,890	336,268	-3.4	5,505,842 R	5,056,173	8.9						
Wire and Cable	22,389	28,704	-22.0	366,098 R	387,748	-5.6						
Film and Sheet, Packaging	17,326	22,561	-23.2	288,030	320,246	-10.1						
Film and Sheet, Non-Packaging	998	1,831	-45.5	38,199	47,581	-19.7						
Siding, Siding Acc. & Moble Home Skirting	48,503	52,719	-8.0	822,230	761,764	7.9						
Rigid Pipe and Tubing (except fittings)	205,649	194,322	5.8	3,424,818	2,990,288	14.5						
All Other Extrusion Uses	30,025	36,131	-16.9	566,467 R	548,546	3.3						
Molding, Total	30,652	35,423	-13.5	495,957 R	517,626	-4.2						
Bottles	15,156	14,371	5.5	223,866 R	216,673	3.3						
Fittings (Rigid Pipe and Tubing)	8,898	9,970	-10.8	160,624	146,559	9.6						
All Other Molding Uses	6,598	11,082	-40.5	111,467	154,394	-27.8						
Paste Processes (except coating), Total	12,404	11,636	6.6	183,901	174,393	5.5						
Plastisol Formulation	6,857	6,211	10.4	102,152	94,200	8.4						
All Other Paste Process Uses	5,547	5,425	2.2	81,749	80,193	1.9						
Resellers & Compounders	21,366	24,276	-12.0	363,212 R	317,183	14.5						
All Other Uses	9,580	24,254	-60.5	173,555	236,092	-26.5						

R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	DECEMBER			YEAR-TO-DATE			DECEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
Exports, Total												
Domestic, Total												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)												
Exports, Total												
Domestic, Total												
OTHER VINYL RESINS, TOTAL (4)	21,346	18,126	17.8	198,036	201,052	-1.5	21,701	17,964	20.8	225,760	220,398	2.4
Exports, Total	5,416	5,386	0.6	67,160	70,569	-4.8						
Domestic, Total	15,930	12,740	25.0	130,876	130,483	0.3						
THERMOPLASTIC POLYESTER, TOTAL (6)	174,250	148,308	17.5	1,905,405	1,707,339	11.6	167,156	144,864	15.4	1,878,629 R	1,630,060	15.2
Exports, Total	38,304	19,029	101.3	380,431	285,801	33.1						
PET Bottle Grade Resin, Exports	D	D		D	D							
All Other Exports	D	D		D	D							
Domestic, Total	135,946	129,279	5.2	1,524,974	1,421,538	7.3						
Domestic PET	N.R.	N.R.		N.R.	N.R.							
Solid State Phase Resin	D12	D12		D12	D12							
PET Bottle Grades	108,259	91,118	18.8	1,074,986	958,264	12.2						
PET/PBT Resellers & Compounders	N.R.4	N/A		N.R.4	N/A							
All Other Thermoplastic Polyester	27,687	38,161	-27.4	449,988	463,274	-2.9						

(2) – The publishing of PVAC data has been suspended.

(3) – The publishing of PVOH data has been suspended.

(4) – Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

D12 = Disclosure: Included in All Other Thermoplastic Polyester.

N.R.4 = Not Reported: Included in All Other Thermoplastic Polyester.

R = Revision.

N.R. = Not Reported

D = Disclosure

(6) – Includes sales from imports.

SPI

SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

DECEMBER 1990

THERMOSETTING & THERMOPLASTIC RESINS

RESIN CODING CLASSIFICATIONS	
EPOXY (UNMODIFIED RESINS)	EPOXY
POLYESTER (UNSATURATED) RESINS	PY
UREA RESINS	UREA
MELAMINE RESINS	MELA
PHENOLIC & OTHER TAR ACID RESINS	PHEN
LOW DENSITY POLYETHYLENE 0.940 & BELOW	LDPE
LINEAR LOW DENSITY POLYETHYLENE 0.940 & BELOW	LLDPE
HIGH DENSITY POLYETHYLENE ABOVE 0.940	HDPE
POLYPROPYLENE POLYMERS & COPOLYMERS	PP
ACRYLONITRILE-BUTADIENE-STYRENE (abs) RESINS	ABS
STYRENE-ACRYLONITRILE (SAN)	SAN
POLYSTYRENE RESINS	PS
STYRENE BUTADIENCE LATEXES - carboxylated, 45% styrene content and over	SBL
OTHER STYRENICS - over 40% styrene	OSBP
NYLON RESINS	NYLON
POLYVINYL CHORIDE & COPOLYERS (DRY RESIN CONTENT)	PVC
POLYVINYL ACETATE	PVAC
POLYVINYL ALCOHOL	PVOH
OTHER VINYL RESINS	OTHER VINYL
THERMOPLASTIC POLYESTER	TPY

REPORTING CLASSIFICATIONS	
CATEGORY	CODE
Production	P
Imports	I
Domestic Sales & Captive Use	D
Export Sales	E

Above Legends Refer to the Following List of Reporting Companies by Resin Category.

MONTHLY STATISTICAL REPORT

DECEMBER 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	EPOXY	PY	UREA	MELA	PHEN	LDPE	LLDPE	HDPE	PP	ABS	SAN	PS	SBL	OSBP	NYLON	PVC	PVAC	PVOH	OVTI HNEYRL	TPY
ADVANCE COATING COMPANY		PD																		
A & E PLASTICS												PDE								
AIR PRODUCTS & CHEMICALS																	DE	PDE		
ALLIED CHEMICAL COMPANY															PDE					PDE
ALLIED-BENDIX CORPORATION					PD															
ALPHA CHEMICAL CORPORATION		PD																		
AMERICAN CYANAMID COMPANY				PDE																
AMERICAN POLYMERS, INC.												PD								
AMETEK, HAVEG DIVISION					PD															
AMOCO CHEMICAL CORPORATION									PDE			PDE								
ANDERSON DEVELOPMENT COMPANY														PD						
ARCO CHEMICAL CORPORATION												PDE		PDE						
ARISTECH CHEMICAL COMPANY		PDE							PDE											
ASHLAND CHEMICAL COMPANY		PDE			PD															
ATOCHEM															PDE					
BASF CORPORATION										PDE	PD	PDE	PD	PD	PDEI					PDE
BELDING CHEMICAL INDUSTRIES															PDE					
BORDEN CHEMICAL COMPANY			PD	PD	PD											PDE				

Compiled by ERNST & YOUNG, ASSOCIATION SERVICES GROUP, Washington, D.C.

MONTHLY STATISTICAL REPORT

DECEMBER 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	EPOXY	PY	UREA	MELA	PHEN	LDPE	LLDPE	HDPE	PP	ABS	SAN	PS	SBL	OSBP	NYLON	PVC	PVAC	PVOH	OVTHNEYRL	TPY
CELANESE CHEMICAL COMPANY																	D			
CERTAINTEED PRODUCTS CORPORATION																PD				
CHEVRON CHEMICAL CORPORATION						PDE		PDE				PDE								
CIBA-GEIGY CORPORATION	PDE																			
COOK COMPOSITES & POLYMERS		PD																		
CUSTOM RESINS, INC.															PD					
DART CONTAINER												PD								
DOW CHEMICAL USA	PDE	PDE				PDEI	PDEI	PDE		PDE	PDE	PDE	PDE	PDE					PDE	
DUPONT CANADA							DI													
E. I. DUPONT DE NEMOURS & COMPANY						PDE									PDEI			PDE	PDE	PDE
EASTMAN CHEMICAL COMPANY						PDE			PDE											PDE
EMSER INDUSTRIES															PDEI					
ESSO CHEMICAL CORPORATION							DI													
EXXON CHEMICAL AMERICAS						PDEI	PDEI	PDE	PDE											
FINA OIL & CHEMICAL CORPORATION									PDE			PDE								
FIRESTONE SYNTHETIC RUBBER & LATEX														PD						
FORMOSA PLASTICS CORPORATION																PD				
GENCORP													PD							

Compiled by ERNST & YOUNG, ASSOCIATION SERVICES GROUP, Washington, D.C.

MONTHLY STATISTICAL REPORT

DECEMBER 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	EPOXY	PY	UREA	MELA	PHEN	LDPE	LLDPE	HDPE	PP	ABS	SAN	PS	SBL	OSBP	NYLON	PVC	PVAC	PVOH	OVTHNEYRL	TPY
GENERAL ELECTRIC PLASTICS COMPANY										PDE	PD			PD						PDE
GENESIS POLYMERS									PDE											
GEORGIA-GULF CORPORATION																PDE				
GEORGIA-PACIFIC CORPORATION			PD	PD	PD															
GLIDDEN COATINGS & RESINS		PD																		
B. F. GOODRICH CHEMICAL COMPANY											PDE					PDE				
GOODYEAR CHEMICAL DIVISION													PDE	PDE		PDE				PDE
W. R. GRACE & COMPANY										PD							D		PDE	
GRIFFTEX CHEMICAL COMPANY			PD	PD																
HARBORCHEM, INC.			PD	PD																
HIMONT USA, INC.								PDE	PDE											
HOECHST-CELANESE				PDE	PDE			PDE							PDE					PDE
HUNTSMAN CHEMICAL CORPORATION									PDE			PDE								
ICI AMERICAS, INC.																				PD
INTERPLASTICS CORPORATION		PD																		
IRONSIDES COMPANY					PD															
KEYSOR-CENTURY CORPORATION																PD				
LYONDELL						PDE			PDE											
MASONITE CORPORATION					PD															

Compiled by ERNST & YOUNG, ASSOCIATION SERVICES GROUP, Washington, D.C.

MONTHLY STATISTICAL REPORT

DECEMBER 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	EPOXY	PY	UREA	MELA	PHEN	LDPE	LLDPE	HDPE	PP	ABS	SAN	PS	SBL	OSBP	NYLON	PVC	PVAC	PVOH	OTHNEYRL	TPY
MOBAY CORPORATION															DEI					
MOBIL CHEMICAL COMPANY						PDE	PDE	PDE				PDE								
MONSANTO COMPANY			PD	PD						PDE	PDE			PD	PDE		DE		PDE	
MORTON INDUSTRIES													PDE	PD					PDE	
NESTE CHEMICALS			PD	PD	PD															
NOVA PLASTICS						DI	DI													
NYLON CORPORATION OF AMERICA															PD					
OXYCHEM					PDE			PDE								PDE				
OWENS-CORNING FIBERGLASS		PDE		PD	PD															
PACIFIC WESTERN RESINS																PDE				
PAXON CHEMICAL								PDE												
PHILLIPS 66 COMPANY							PDE	PDE	PDE											
PLASLOK CORPORATION					PD															
PLASTICS ENGINEERING COMPANY					PDE															
POLYSAR, INC.												PDE								
QUANTUM CHEMICAL COMPANY						PDE	PDE	PDE	PDE								D			
REICHHOLD CHEMICALS, INC.	PDE	PDE											PDE				DE			
REXENE CORPORATION						PDE			PDE											
RHONE POULENC	PDE		PD	PD																

Compiled by ERNST & YOUNG, ASSOCIATION SERVICES GROUP, Washington, D.C.

MONTHLY STATISTICAL REPORT

DECEMBER 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	EPOXY	PY	UREA	MELA	PHEN	LDPE	LLDPE	HDPE	PP	ABS	SAN	PS	SBL	OSBP	NYLON	PVC	PVAC	PVOH	OTHNEYRL	TPY
ROGERS CORPORATION					PDE															
ROHM AND HAAS COMPANY														PDE			D		PDE	
SCHERING BERLIN		PD																		
SCOTT POLYMERS												PD								
SEQUA CHEMICAL																	DE			
SHAKESPEARE COMPANY															PDE					
SHELL CHEMICAL COMPANY	PDE								PDE											
SHINTECH, INC.																PDE				
SILMAR		PDE																		
SOLTEX POLYMERS							PDE	PDE	PDE											
TRI NOVA CORPORATION		PD	PD	PD	PD															
UNION CARBIDE CORPORATION	PDE					PDEI	PDEI	PDE												
UNION CHEMICAL													PD				D		PD	
VALCHEM			PD																	
VALITE DIV. OF VALENTINE SUGARS, INC.					PD															
VISTA CHEMICAL COMPANY																PDE				
VYGEN CORPORATION																PDE				
WELLMAN, INC.															PDE					
WEST LAKE POLYMERS						PDE														
TOTAL	6	13	9	11	16	12	10	12	14	5	5	13	7	10	13	12	9	2	7	8

Compiled by ERNST & YOUNG, ASSOCIATION SERVICES GROUP, Washington, D.C.

The Society of the
Plastics Industry, Inc.

Monthly Statistical Report - Resins

SPI

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

NOVEMBER 30, 1990

DATA FOR CALCULATING
APPARENT CONSUMPTION OF
THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: February 14, 1991

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

MONTHLY STATISTICAL REPORT

(Millions of pounds, dry weight basis)(1)

CRS

NOVEMBER 1990

RESIN KIND	NOVEMBER				YEAR-TO-DATE			
	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*
EPOXY RESIN, TOTAL	40.4	29.2	1.3	8.2	464.3	357.0	17.4	77.8
POLYESTER (UNSATURATED) RESINS, TOTAL	81.9	78.4	0.4	12.8	1,153.8	1,123.2	6.8	101.2
UREA RESINS, TOTAL **	107.9	101.9	1.4	1.9	1,397.9	1,342.2	18.3	35.6
MELAMINE RESINS, TOTAL **	16.9	14.2	0.4	1.3	186.6	162.3	4.5	15.0
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	213.3	207.7	2.7	6.1	2,744.3	2,701.9	37.8	87.8
THERMOSETTING RESINS, TOTAL	460.4	431.4	6.2	30.3	5,946.9	5,686.6	84.8	317.4
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	613.6	507.7	23.6	80.0	6,688.4 R	5,808.5	222.3	730.9
LINEAR LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	363.2	369.2	63.4	30.7	3,498.7	4,116.0	749.9	266.6
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	741.7	655.0	34.7	91.0	7,597.5	7,215.9	461.1	829.6
POLYPROPYLENE, TOTAL	758.8	533.8	4.1	179.1	7,652.8 R	6,148.4 R	51.1	1,661.2
ABS RESINS, TOTAL ** (ACRYLONITRILE-BUTADIENE-STYRENE)	91.1	78.8	5.2	23.7	1,084.5	1,089.4	71.3	180.2
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	10.0	4.2	1.4	6.7	123.8	76.8	6.6	73.5
OTHER STYRENICS **	95.5	100.4	0.2	21.2	1,080.3	1,141.5	4.0	173.0
POLYSTYRENE RESINS, TOTAL	382.3	360.6	3.6	21.7	4,626.3 R	4,608.6 R	72.6	270.6
NYLON RESINS, TOTAL (6)	38.0	43.2	5.4	10.5	520.0	464.2	72.3	142.7
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	741.8	579.6	17.8	73.7	8,363.6	7,558.6	139.7	813.7
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (4)								
POLYVINYL ALCOHOL, TOTAL (4)								
OTHER VINYL RESINS	19.6	12.9	N/A	N/A	204.1	114.9	N/A	N/A
THERMOPLASTIC POLYESTER, TOTAL (6)	159.7	119.6	6.7	41.3	1,712.8	1,389.0	68.4	423.7
THERMOPLASTIC RESINS, TOTAL	4,015.3	3,365.0	166.1	579.6	43,152.8 R	39,731.8 R	1,919.3	5,565.7
GRAND TOTAL	4,475.7	3,796.4	172.3	609.9	49,099.7 R	45,418.4 R	2,004.1	5,883.1

(1) = Except phenolic resins which are reported on a gross weight basis.

(4) = The publishing of PVOH + PVAC data is temporarily suspended.

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

** = Domestic Sales include Exports.

(6) = Data Includes Sales from Imports.

Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

N/A = Not Available

R = Revision

Sources: Sales and Production - SPI Monthly Statistical Report

Imports - Bureau of the Census (IM 145)

Exports - Bureau of the Census (EM 545)

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

Copyright 1991 The Society of the Plastics Industry, Inc.
All rights reserved. Reproduction, resale or other reuse of this material without the expressed, written consent of SPI is prohibited.